

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jie (nmn) Liu

Group Art Unit:

Serial No.:

Examiner:

Filed:

For Compound Electrodes for Electronic Devices

## INFORMATION DISCLOSURE STATEMENT

- ☒ 1 **Pursuant to 37CFR 1.97(b)**  
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☐ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**  
[before Final Office Action, Allowance, or other action closing prosecution] *no charge*
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**  
[before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*
- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**  
[On or before issue fee payment] *\$180.00*

ATTN: BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

- ☒ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

\_\_\_\_\_  
Date of Deposit\_\_\_\_\_  
Type or Print Name\_\_\_\_\_  
Signature

This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ 8 The required Certification made in item 11 below; or
- ☐ 9 The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR 1.97(d): [on or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☒ 11 Certification
- ☐ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☒ 14 Payment of all applicable fees:
- ☒ 15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0868

An original and two (2) copies of this document are enclosed.

Respectfully submitted,

August 28, 2003  
Date

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CRD Patent Docket Rm 4A59  
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Filing Date

Group

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--  
LIST OF ITEMS

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 5 9 9 8 8 0 3	12/07/99	Forrest et al.			
	AB 6 0 2 3 3 7 1	02/08/00	Onitsuka et al.			
	AC 6 3 9 2 2 5 0	05/21/02	Aziz et al.			
	AD 6 5 8 9 6 7 3	07/08/03	Kido et al.			
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

AR	L.S. Hung et al., "Enhanced Electron Injection in Organic Electroluminescence Devices Using an Al/LiF Electrode," Appl. Phys. Lett., Vol. 70, No. 2, 152 (1997)
AS	T.M. Brown et al., "Efficient Electron Injection in Blue-Emitting Polymer Light-Emitting Diodes with LiF/Al Cathodes," Appl. Phys. Lett, Vol. 79, No. 2, 174 (2001)
AT	X. Yang et al., "Efficient Polymer Light Emitting Diodes with Metal Fluoride/Al Cathodes," Appl. Phys. Lett., Vol. 79, No. 5, 563 (2001)

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	BC					
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	BE					
	BF					
	BG					
	BH					
	BI					
	BJ					
	BK					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	BL						
	BM						
	BN						
	BO						
	BP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

BR	P. Piromreun et al., "Role of CsF on Electron Injection into a Conjugated Polymer," Appl. Physcs. Lett., Vol. 77, No. 15, 2403 (2000)
BS	A.R. Duggal et al., "Organic Light-Emitting Devices for Illumination Quality White Light," Appl. Phys. Lett., Vol. 80, No. 19, 3470 (2002)
BT	H. Suzuki et al., "Near-ultraviolet Electroluminescence from Polysilanes," Thin Solid Films, Vol. 331, 64-70 (1998)

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	CA					
	CB					
	CC					
	CD					
	CE					
	CF					
	CG					
	CH					
	CI					
	CJ					
	CK					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	CL						
	CM						
	CN						
	CO						
	CP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

CR	US Patent 2003/0072967A1 - "Organic Electroluminescent Devices", Filed October 21, 2002, Published April 17, 2003, Junji Kido et al.
CS	US patent application 10/328,263 , "White Light-Emitting Organic Electroluminescent Devices", (GE Docket 126728), filed 12/12/02
CT	US patent application 10/424,276, "Tandem Photovoltaic Cell Stacks" (GE Docket 1307-34-1), filed 4/28/03

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